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CENTRAL INTELLIGENCE AGENCY

REPORT NO. [REDACTED]

## INFORMATION REPORT

CD NO.

COUNTRY Belgium

DATE DISTR. 15 Dec. 1949

SUBJECT Soviet Commercial Mission in Brussels  
Seeks Precision Measuring Apparatus

NO. OF PAGES 2

PLACE ACQUIRED 25X1A [REDACTED]

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DATE OF INFO. 25X1A [REDACTED]

SUPPLEMENT TO 25X1A  
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25X1X

The Soviet Commercial Mission in Brussels has made inquiries of several Belgian optical firms regarding the prices of the following equipment:

- A. Surveying equipment.
- B. Apparatus for measuring the speed of airplanes.
- C. Apparatus for measuring the speed of projectiles.
- D. Apparatus for interior ballistics studies. This equipment for determining the pressure curve must fulfill the following requirements:
  1. It must measure and register a pressure curve varying from 0-600 kg/cm<sup>2</sup> per cm. of travel along barrel to a final pressure of 0.
  2. Time during which pressure increases gauged at about 0.001 of a second.
  3. Tolerance approximately 1%.
  4. Must include:
    - a. 1 piezoelectric pressure cell.
    - b. Electronic amplifier.
    - c. Oscillograph with photographic attachment.
    - d. Oscillator.
    - e. Timing wheel.
    - f. Compensation dynamometer.
    - g. Auxiliary accessories (relays, distribution boxes, circuit balancing "wheel" (sic), equipment for measuring barrel-rifling grooves).

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25X1A

- 2 -

E. A Kinotheodolite System with two or three positions, a central station and an assortment of replaceable parts and accessories, as well as a description and instructions. The stations can be similar to those of the firm Askania Werke.

F. Six phototheodolites to take pictures of objects moving in space. It must be equipped with a light lens having a strength of f5.5; synchronization of the shots must be at 0.001 of a second; and the dimensions of the photographic plate must be 13 x 18 cm. It must also be equipped with extra parts, a description and instructions for its operation.

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